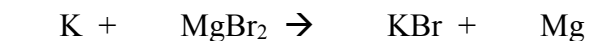


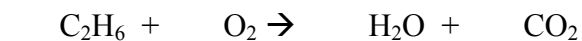
Mol-Mol Stoichiometry

Balance the following reactions and then use them to answer the questions below.

Show all your work with units.



1. What is the ratio of potassium to magnesium?
2. If 2.0 mol of K are used, how many mol of Mg are produced?
3. If 6.0 mol of Mg are produced, how many mol of KBr are also produced?
4. If 4.6 mol of MgBr_2 are used, how many mol of K are also needed?



5. What is the ratio of ethane (C_2H_6) to oxygen?
6. If 2.0 mol of ethane are used, how many mol of oxygen are needed?
7. If 8.0 mol of CO_2 are produced, how many mol of water are also produced?
8. If 3.14 mol of oxygen are used, how many mol of water are produced?